9. **Technical Assistance and Resources:** FEMA's Mapping Coordination Contractor (MCC) maintains archives of community flood study data. Archived data include copies of FEMA-issued Letters of Map Change (LOMCs); engineering and mapping support data and documentation; information on deferred map actions; and data collected as part of FEMA's Five-Year Mapping Needs Assessment Process. A visit to research the MCC archives may be arranged by contacting the FEMA Project Officer. For specific data items, the MCC may be contacted at 1-877 FEMA MAP.

10. **Subcontractors:** LSU Center for Coastal, Energy and Environmental Resources, Louisiana State University, Baton Rouge. Procurement of subcontractors using federal funds provided as part of this mapping activity will comply with the requirements of 44CRF 13.36.

11. **Quality Assurance/Quality Control (QA/QC) Procedures:** The electronic summary data files shall be checked against the source data to verify accuracy of data entry prior to submission to FEMA.

B. Redelineation of Floodplain Boundaries Using Updated Topographic Data

1. **Objective and Scope:** The objective of this Mapping Activity is to redelineate detailed floodplain boundaries in portions of the Amite River Basin. Delineations will be of the 1% and 0.2% annual chance floods. Communities included in this effort are: East Baton Rouge Parish, City of Baton Rouge, City of Baker and Town of Zachary; portions of Livingston Parish which lie within the Amite River Basin, City of Denham Springs, Village of French Settlement, Village of Port Vincent, Town of Walker and Town of Livingston; portions of Ascension Parish that lie within the Amite River Basin, City of Gonzales and Town of Sorrento. The flood profiles and floodway data tables from previous Flood Insurance Study (FIS) report will be used, in conjunction with the hydraulic models used to prepare the FIS, to produce these delineations.

2. **Period of Performance:** The period of performance will be in accordance with Agreement Article II.

3. **Funding/Cost-Sharing:**

FEMA

ARBC
TOTAL

Responsible Agency: ARBC/LSU

4. **Standards:** The following standards and documents are relevant to this Mapping Activity:

- Topographic mapping used to delineate the floodplain boundaries will be more recent and/or detailed than that used to prepare the effective FIRM for communities within the Amite River Basin. It will be of adequate scale and topographic definition to provide reasonable accuracy and planimetric features will be compatible with the base map (with respect to horizontal accuracy) to be used by FEMA for Digital FIRM production. Topographic mapping taken from aerial photogrammetry or surveys will comply with the requirements of Appendix 4 of FEMA 37. The selection of the topographic mapping source to be used will be coordinated with the FEMA Project Officer prior to analysis and mapping.
- Changed hydraulic conditions and/or significant discrepancies in stream distance between the profile and topographic mapping indicate the need for updated hydraulic analyses and may preclude the completion of this Mapping Activity for some flooding sources. Therefore, prior to redelineating floodplain boundaries, the effective FIS flood profiles will be evaluated to determine:
  - if the flood elevations remain valid or if hydraulic conditions have changed such that the profile no longer represents existing conditions (i.e., bridge or culvert construction) necessitating updated hydraulic analyses;
  -if the flood profile baseline reasonably fits the streamline on the topographic mapping to be used for this activity.
- Work maps will comply with the requirements outlined in Chapter 9 of FEMA 37. The work maps should include the 1% and 0.2% annual chance floodplain boundaries; floodway limits; cross sections; and BFE and Flood Insurance Zone labels.
- Digital mapping submissions will comply with the requirements of Chapter 9 and Appendix 7 of FEMA 37.

5. **Products:** The ARBC shall make the following products available:
   - Digitized topographic work maps depicting the revised 1% and 0.2% annual chance floodplain boundaries; floodway limits; cross sections; BFE and Flood Insurance Zone labels.
   - Form number 5 of *Revisions to National Flood Insurance Program Maps, Application/Certification Forms and Instruction* (MT-2).

6. **Schedule of Milestones:**

Milestone 1: Upon completion, products for the first milestone will be provided to the FEMA Project Officer and MCC. These include:

- Documentation of the proposed source of topographic data, including: scale; contour interval; source/methodology; date of survey/data collection;

vertical and horizontal datums; and comparison of planimetric features with the FIS flood profiles for this mapping activity.

- Annotated copies of effective FIRMs depicting limits of proposed floodplain revisions.

Deliverables for Milestone 1 will be submitted to FEMA Project Officer no later than 12 months after project start date.

Milestone 2 (Final Product): Upon completion, final products will be provided to the FEMA Project Officer and MCC. These include:

- Digital Topographic work maps depicting 1% and 0.2% annual chance floodplain boundaries; floodway limits; and BFE and Flood Insurance Zone labels.
- Completed form number 5 of *Revisions to National Flood Insurance Program Maps, Application/Certification Forms and Instruction* (MT-2).

Final products will be made available to FEMA in accordance with the Period of Performance defined in Section 2 of this Mapping Activity Statement.

7. **Certification:** The following certifications apply to this Mapping Activity (as appropriate):
   - Topographic information will be certified by a registered professional engineer or licensed land surveyor in accordance with 44 CFR 65.5(c).
   - If fill is to be considered in the mapping to raise land areas above the 1% annual chance flood elevation, certification of the fill will be provided in accordance with 44 CFR 65.5 (a)(6) by the community's NFIP permit official, a registered professional engineer, or a licensed land surveyor.

8. **Coordination:** All activities to be carried out under this task will be coordinated with local governments, and state agencies through the review process under the Technical Committee of the ARBC.

9. **Technical Assistance and Resources:** ARBC may obtain copies of effective FIS hydraulic models, FEMA-issued Letters of Map Change (LOMCs), and archived engineering back-up data from FEMA's Mapping Coordination Contractor (MCC). The MCC may be contacted at 1-877-FEMA MAP. Specific technical and programmatic support may be provided through FEMA's MCC; such assistance should be required through the FEMA Project Officer specified in Activity G of the Mapping Activity Statements.

10. **Subcontractors:** LSU Center for Coastal, Energy and Environmental Resources, Louisiana State University, Baton Rouge. Procurement of subcontractors using Federal funds provided as part of this Mapping Activity will comply with the requirements of 44 CFR 13.36.